



NEWSLINE

Published weekly for employees of Lawrence Livermore National Laboratory

Friday, August 2, 2002

Vol. 27, No. 30

New photon source beams to life

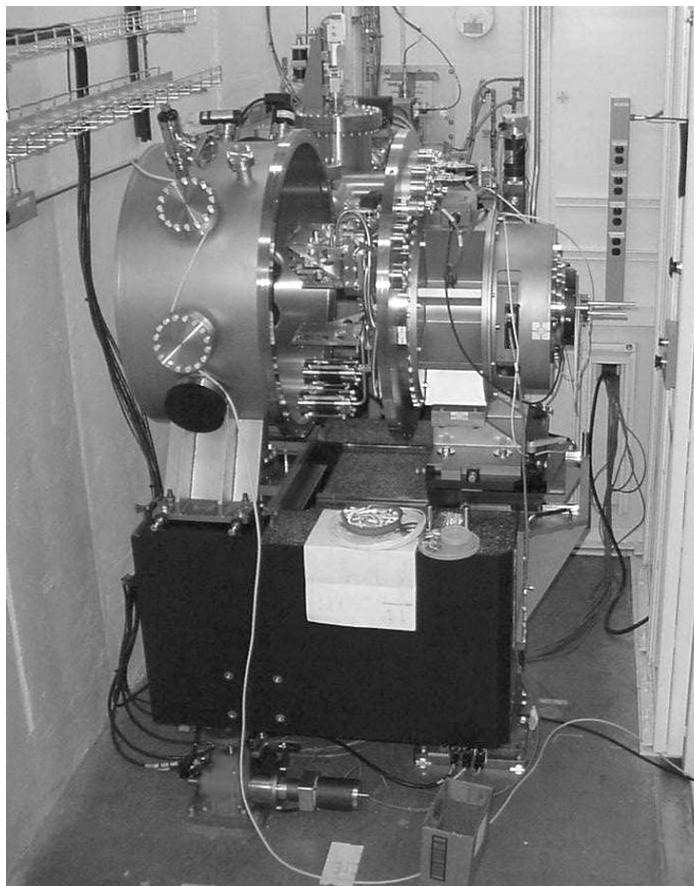
By Anne M. Stark
NEWSLINE STAFF WRITER

Lab physicists last week introduced the newest research facility at the Advanced Photon Source at Argonne National Laboratory, one of the most advanced light sources in the world, as part of their role in the High Pressure Collaborative Access Team (HP-CAT).

HP-CAT is made up of Livermore's High Pressure Physics Group, the High Pressure Science and Engineering Center at the University of Nevada, Las Vegas, the Carnegie Institution of Washington's Geophysical Laboratory and Argonne.

The \$10 million project is partially funded through the DOE's Office of Defense Programs and Office of Science.

The new research facility contains beam lines of unprecedented high energy, intensity and resolution and will be used to study the structure and behavior of materials



The X-ray beam at the Advanced Photon Source will advance high-pressure science through new experiments.

See HP-CAT, page 8

Streamlined procedures accelerate approval of Laboratory work for others

By Anne M. Stark
NEWSLINE STAFF WRITER

Beginning this week, the Work For Others (WFO) proposal procedure could take less than half the time to get through the approval process than it did a year ago.

The Lab's Strategic Operations Forum is moving forward with a streamlining plan that increases customer service and helps eliminate the time lag that principal investigators and administrators have experienced in the proposal approval process.

WFO consists of work transferred from other DOE sites such as Los Alamos or Sandia national laboratories or DOE field offices such as Albuquerque. WFO can also be work performed for non-DOE sponsors such as federal agencies like the Department of Defense or the Federal Emergency Management Agency and non-federal agencies such as the State of California.

After a thorough review by the WFO Streamlining Team, the forum determined that the WFO process could be more responsive to the needs of internal and external customers and could take less time by eliminating duplicative and non-value-added paperwork and reviews. WFO projects benefit NNSA programs by providing new ideas, opportunities for

See WFO, page 8

Employee Relations Office offers new resource for work conflict resolution

By Stephanie Esposito
NEWSLINE STAFF WRITER

Do you know what resources are available if you are unable to resolve a problem or conflict at work? Results from the Employee Survey indicated that employees, supervisors and managers wanted a central location for

See OFFICE, page 5

Open house will honor Deputy Director Wadsworth

Lab employees are invited to a farewell open house for Jeff Wadsworth from 9 to 10:30 a.m. on Aug. 9 in the Bldg. 111 Lobby.

Wadsworth, deputy director for Science & Technology and formerly AD of Chemistry & Materials Science, resigned from the Laboratory, effective in August, to join Batelle Corp. as a senior executive. At Batelle, he will join the technology development and commercialization organization, focusing on helping build its technology and business base in government and commercial markets.

Power of towers inspires Tracy campaign

By Anne M. Stark
NEWSLINE STAFF WRITER

Bill Metz attends meetings, creates Web sites, talks to residents and writes letters in an effort to save two 100,000 gallon metal giants.

The Tracy resident does it all during his off-hours from his job as a mechanical technologist in the Nonproliferation Arms Control and International Security Directorate.

Metz' affinity for the nearly 90-year-old water towers marking the east and west sides of downtown Tracy dates back to 1994.

After an unfortunate accident in which a man, who climbed one of the towers threatening suicide to escape a drug conviction, plunged to his death, a vocal minority of citizens said the water towers were an imminent danger and called upon city officials to tear them down.

But the towers have become local landmarks, Metz said.

"They have historical significance," he said. "People identify Tracy with these two old water towers."

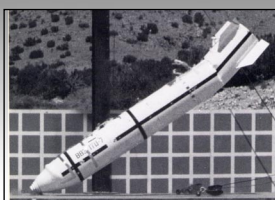
In doing a little research, Metz, who became an active member in the Water Tower Committee, found out that the towers were already on the California Inventory of Historic Resources. He

See TOWER, page 8



BILL METZ

The 10th Street 100-foot water tower serves as the eastern border of downtown Tracy.



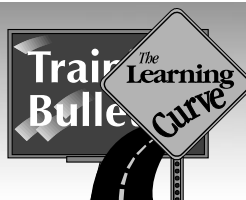
1982: DYNA3D impacts

— Page 3



A winning education

— Page 5



Learning with class

— Pullout inserts



LAB COMMUNITY NEWS

Weekly Calendar

Technical Meeting Calendar, page 4

Tuesday
6

A representative from **National Technological University**, which offers Lab employees televised graduate level academic courses from more than 50 of the country's premier universities, will be at the Laboratory to discuss degree programs available. The talk will begin at noon in Bldg. 571, room 2301. Contact: Kathy in EODD, 2-9335.

Thursday
8

A Labwide **summer student research poster symposium** will be held from 3-5 p.m. in the West Cafeteria. Come support our students and see what they have been working on this summer. The purpose of this symposium is to increase awareness of the student research achievements, provide models of exemplary research and facilitate student participation in the national laboratories' scientific and engineering communities. Contact: Barry Goldman, 2-5177 or goldman1@llnl.gov.

Friday
9

Lab employees are invited to a farewell open house for **Deputy Director Jeff Wadsworth**, from 9-10:30 a.m. in the Bldg. 111 lobby. Wadsworth, who worked at the Lab for more than 10 years, has resigned to join Batelle Corp. as a senior executive. He will join the technology development and commercialization organizations.

...

California Casualty Insurance will be in the Benefits Office. Appointments are required and may be scheduled by calling 2-9955. California Casualty offers individual rates to Lab employees by payroll deduction for auto and homeowner/renter insurance. As with any employee-paid insurance coverage, employees are encouraged to comparison shop.



The fourth annual **Diversity Day on the Green** returns to the Lab on Thursday, Aug. 15, beginning at 11:30 a.m. (note new time) in the Lab Pool area. The event will feature cultural entertainment, ethnic cuisine and cultural booths. There also will be a contest for best cultural clothing. If you would like to participate or need more information, contact Michele Cardenas, 3-2796 or cardenas7@llnl.gov.

...

The **LLESA Bowling Networking Group** is hosting a department challenge at noon on Saturday, Aug. 17, at Granada Bowl in Livermore. Teams are five members of any combination — men, women or mixed. Individual bowlers will be placed on teams. No average is needed. Cost is \$11 per bowler which includes three games, rental shoes and pizza. A perpetual trophy will be awarded to the winning team. Please register by Aug. 12. Contact: Pat Chance (chance1@llnl.gov or 2-2807),

Demonstrators to protest Lab on Saturday

As many as 1,000 demonstrators are expected to gather outside the Lab Saturday.

Protesters will gather at Carnegie Park in downtown Livermore Saturday afternoon. Following speeches and entertainment, the group plans to march nearly two-and-a-half miles to the Lab, arriving at the Southgate area at approximately 3:30 p.m.

Demonstrators plan to shut down the Southgate entrance. As many as 250 arrests may result, with the Livermore Police, the California

Highway Patrol and the Alameda County Sheriff's Department assisting Lab Security Police Officers.

Employees can expect East Avenue to be blocked from Vasco Road to Greenville Road from the time the demonstrators arrive until all arrests are completed.

Those who must enter the Lab on Saturday, while the Southgate entrance is closed by the demonstration, will find the Eastgate entrance on Greenville in operation until normal conditions are restored at Southgate.

Awareness campaign focuses on Peregrine

This year's Cancer Awareness Campaign, organized by a grassroots coalition of employees, continues this month with four more informational talks on cancer-related topics.

The campaign will continue through Aug. 29 and includes:

- "Peregrine: Advancing the Field of Radiation Treatment of Cancer," by Lab physicist Christine Hartmann-Siantar, on Tuesday, from 12-1 p.m. in the Bldg. 543 auditorium.

- "Update on the Cancer Incidence and Mortality Among LLNL employees," by Dr. Jim Seward, LLNL medical director, and Dr. Mort Mendelsohn, former AD, on Tuesday, Aug. 13, from 12-1 p.m. in Bldg. 170, room 1091.



Christine Hartmann-Siantar

patients.

For more information on the events, contact Mark Costella at 2-8999 or costella2@llnl.gov.

- "Does Overcooking Meat Pose a Cancer Risk?" by LLNL scientist James S. Felton, on Tuesday, Aug. 20, at noon in Bldg. 170, room 1091. He will present research that suggests it might be a cancer risk to overcook meat.

- "Prevention, Health Practices and Good Nutrition for Cancer Survivors," by registered dietitian Victoria Holmes Woolery of Kaiser Medical Center, on Thursday, Aug. 29, at noon in Bldg. 170, room 1091. She will discuss the role of medical nutrition therapy and intervention for cancer

Lab's tour program has openings for part-time guides

Do you know someone interested in part-time or occasional work? Do they like people and public speaking? If so, they might be an ideal tour guide candidate.

In conjunction with the 50th anniversary, Public Affairs has revamped the public tour program. New tours of the Lab are offered to the general public, school children and community organizations. The two-hour tour takes participants around the Lab for general stops at ASCI, NARAC, Biology and other locales.

Tour guides are hired through Johnson Controls and paid on a per-tour basis.

"This is a great part-time opportunity for

college students, moms, retirees and others who might want occasional work," said Christine Mixan, tour coordinator. "We are very excited about our new tour program and the public is enjoying it as well."

Tour guides will be trained extensively as part of the hiring process. Plus, on-going program updates and skill acquisition will be offered.

To apply for a position, contact Traci Lemire at 960-0360, extension 365, or email your resume to lemire1@llnl.gov. You can also drop off your resume at the Johnson Controls office in Trailer 4180.

LLESA seeks blood, bone marrow donors in September drive

LLESA is sponsoring a "blended drive" Sept. 3-6, which means donors can give blood and, at the same time, sign up to be in the National Bone Marrow Registry by providing a blood sample.

Employees can participate in either the blood drive, the bone marrow drive or both. The bone marrow test is a simple blood draw and can be done at the same time as the blood donation. There is particularly a need for people of color in the bone marrow registry.

To learn more about becoming a marrow donor log onto www.marrow.org. To schedule an appointment in advance, go to <http://www.beadonor.com> (company code: LLNL) or call the LLESA Office at 2-9402.

The goal of the Red Cross staff is to complete the donation process for pre-scheduled appointments in 60 minutes or less. If your schedule does not permit you to make an appointment, the Blood Bank will do their best to work you into the schedule after the first hour of the drive.

Eligibility questions should be directed to

the American Red Cross at 1-800-448-3543. For more information, contact Suzanne Sexton at (510) 594-5213.

Newsline

Newsline is published weekly by the Internal Communications Department, Public Affairs Office, Lawrence Livermore National Laboratory (LLNL), for Laboratory employees and retirees.

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Designer: Julie Korhummel, 2-9709

Distribution: Mail Services at LLNL

Public Affairs Office: L-797 (Trailer 6527), LLNL, P.O. Box 808, Livermore, CA 94551-0808
Telephone: (925) 422-4599; Fax: (925) 422-9291
e-mail: newsline@llnl.gov or newsonline@llnl.gov
Web site: <http://www.llnl.gov/PAC/>

Printed on recycled paper

1952 – 2002

MAKING HISTORY, MAKING A DIFFERENCE

From swords to plowshares with DYNA3D

This is an ongoing feature highlighting the Lab's 50-year history. This week we take a look at the year 1982.

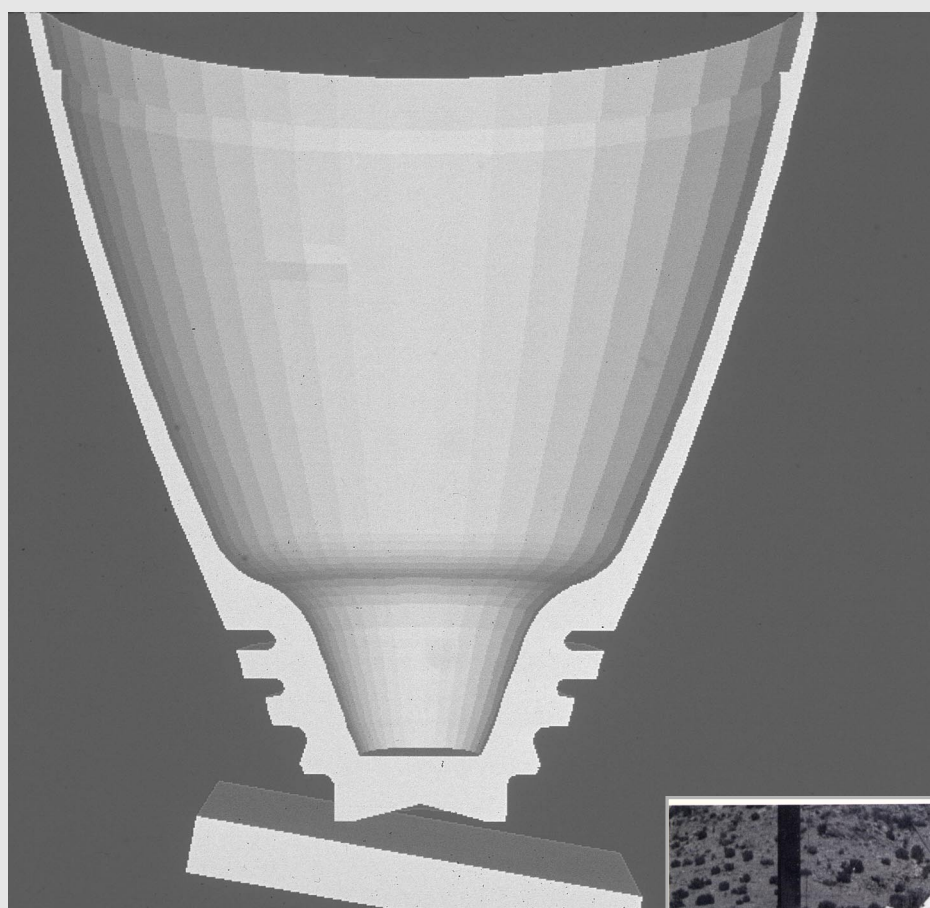
In 1982, a growing list of users benefited from the publication of the first *User's Manual for DYNA3D*. This three-dimensional computer code was developed to meet the needs of the Laboratory's nuclear weapons program, and it grew to become a remarkable "swords to plowshares" story. Interest in the code rapidly expanded from a manual to an international conference on DYNA3D applications.

Much of the early incentive to develop DYNA3D, short for dynamics in three dimensions, arose from the need to design and certify the crashworthiness of the B83 nuclear bomb. The B83 was to be released from a low-flying aircraft, and even though it was to be retarded by a parachute, the bomb would have to survive a 75-mph impact with whatever irregular structure it hit.

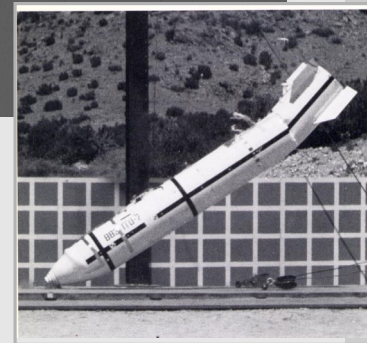
DYNA3D soon started spreading to private industry in one of the Laboratory's best examples of technology transfer. The list of current or one-time industrial users reads like a "Who's Who" of major firms, and at times, upwards of 300 companies have used it. A 1993 study found that DYNA3D and DYNA-like programs conservatively save U.S. industry \$350 million annually.

dynamics of
DYNA3D

1982



DYNA3D calculation of the crush-up upon impact of the nose cone of the B83 strategic bomb (above). Simulations were in excellent agreement with the results of experiments, such as this drop test with a B83 test unit landing on a rigid steel plate (right).



Around the Lab

Roger E. Batzel was the director of the Lab until 1988.



Flash X-ray

The Flash X-ray was dedicated in April 1982 as the nation's most powerful linear-induction electron beam accelerator. It is one of the most important diagnostic tools in the U.S. weapons research community, enabling scientists to see into the heart of test objects at the very moment they are detonated.

Around the nation

- The Vietnam War Memorial is dedicated

Around the world

- Nuclear freeze movement
- Falklands War
- Israel invades Lebanon
- Artificial heart implanted for first time
- Andropov succeeds Brezhnev
- Strategic Arms Reduction Talks (START) begin

in other

NEWS

Other news around

the Lab, the nation

and the world.

For more of the Lab's rich history, check out the Timeline, located at: <http://www.llnl.gov/timeline/>

Time is running out to sign up foreign nationals for Family Open House

For foreign national family members and guests and P-cleared foreign national employees to attend the Family Open House on Sept. 21 and 22, their Q- or L-cleared hosts must fill out "blue cards" for the foreign nationals they will escort.

The cards are available from Wendy Bishop in the Foreign Visits and Assignments Office in Bldg. 274, room 1047, the badge offices at Livermore and Site 300, and through directorate offices. Completed blue cards must be turned in to Wendy Bishop's office no later than Wednesday to allow time for processing and approval. P-cleared foreign national employees should seek assistance from their organizations to identify Q- or L-cleared hosts

for themselves and their guests for the Family Open House.

For more information, see the 50th Anniversary Website/Family Open House

Planning Guide at http://www-r.llnl.gov/50th_anniversary/openhouse.htm. For additional information, contact Wendy Bishop, 3-9135 or bishop9@llnl.gov.

Volunteers needed to escort guests during Community, Family days

Want to rub elbows with Lab guests? Always dreamed of being a tour guide?

Volunteers are needed during the 50th anniversary event week to assist with escorting duty. Escorts are needed for Community Day, Wednesday, Sept. 18, and again during Family Days, Sept. 21 and 22.

Volunteers for Community Day and Family Days must be L- or Q-cleared. To volunteer for Community Day, call Scott Wilson, 3-3125 or e-mail wilson101@llnl.gov. For Family Days, call Jan Tweed, 2-4597 or e-mail tweed1@llnl.gov



NEWS YOU CAN USE

Drinking up some tips on summer water safety

On a hot summer’s day, never lose sight of the fact that water can be either friend or foe.

The liquid is vital for normal body function, and failure to consume sufficient amounts, particularly on a sweltering afternoon, could prove deadly.

When you overexert yourself through outdoor work or play beneath a blazing sun, you lose precious water through perspiration. This can lead to dehydration, whose initial symptoms include feeling dizzy or light-headed.

Experts recommend six to eight glasses of water a day to avoid dehydration. Stay away from soda, tea and coffee as replacement liquids since they usually contain caffeine, which is a diuretic that will cause frequent urination, resulting in more water loss.

Be respectful of water when swimming or boating. Too often we take these water-related recreational pursuits for granted, with tragic results. Memorial Day through Labor Day is the peak period for water-related accidents.

Drowning ranks high among water-related accidents. Of particular concern are accidents

involving the young. The National Consumer Protection Association estimates that more than 300 children ages 5 and below drown annually in pool and spa accidents.

According to the *Contra Costa Times*, “Drowning is the number one cause of unintentional death, injury and disability among children ages 1 to 4 in California.” And, says the *Times*, quoting the Alamo-based Drowning Prevention Foundation, “a child is 14 times more likely to die in a residential pool than in an automobile.”

Here are some swimming safety tips, followed by a series of safe boating tips:

- Never leave small children unattended around water.
- Teach your children to “buddy-up” when swimming and not to swim alone.
- Educate your children in proper pool etiquette (no running, pushing, etc.).
- Have your children learn to swim at an early age. (The Laboratory Employee Services Association [LLESA] offers courses such as “Baby and Me,” “Tiny Tots” and “Beginner”).

• Set a good example for your children. Don’t dive in shallow areas. Swim with a buddy.

• Learn CPR and other life-saving techniques.

In August, LLSEA will offer Red Cross lifeguard training courses. Participants must be 15 years of age by the last day of the course, which runs for 27 hours and will be held beginning this Saturday and continuing Aug. 9, 10 and 11. The cost of the course is \$110, which includes course materials.

LLESA is also offering a lifeguard/CPR recertification/challenge course Saturday from 9 a.m.–noon. Cost is \$25. Enrollment is limited, so sign up early in the LLESA office, Bldg. 415, room 142. For more information, call 2-9402.

When boating...

- Don’t overload your boat with people and equipment.
- Make certain everyone in the boat is wearing a life jacket.
- Don’t consume alcohol when boating.
- Brush up on boating safety rules (Take a course, if possible).
- Watch out for other boats, personal watercraft, water skiers and swimmers.

Business services functions relocating to Bldg. 551W

The business functions currently located in Trailer 3427 are moving on Friday, Aug. 9. On Monday you will find them in Bldg. 551W on the first floor, northeast corner in Suite 1300. Services that are moving are:

- Travel Services (Maritz representative, air ticket pickup and travel reimbursement)
- Corporate travel card
- Conference and off-site meeting planning
- Special disbursements and petty cash reimbursements
- Memberships
- Food Services
- Emergency meal reimbursement
- Drivers qualification files

The L-code (L-456) and phone numbers will not change.

Technical Meeting Calendar

Tuesday
6

LIVERMORE COMPUTING
The LC user meeting will announce the Multi-programmatic Capability Resource (MCR) Linux system that is arriving in September. 9:15-11 a.m., Bldg. 451, White Room.

Wednesday
7

MATERIALS RESEARCH INSTITUTE
“Thermodynamic Theory of Non-Ideal and Critical Detonation,” by William Byers-Brown, Devonshire House, United Kingdom. 3:30 p.m., Bldg. 219, room 163. Contacts: Larry Fried, 2-7796, or Joanna Allen, 2-0620.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH
“Some Philosophical Issues in the

Foundations of Statistics,” by Branden Fitelson, San Jose State University. 2 p.m., Bldg. 3520, room 1174 (uncleared area). Contacts: Tina Eliassi-Rad (CASC), 2-1552, or Leslie Bills, 3-8927,

Thursday
8

ELECTRONICS ENGINEERING TECHNOLOGIES DIVISION
“Mathematics in the Movies,” by Kathleen Greene. 9:30-10:30 a.m., Bldg. 361, Auditorium (uncleared area). Contact: Steve Azevedo, 2-8538.

PHYSICS & ADVANCED TECHNOLOGIES
“Processing and Characterization of Materials With a Tunable Infrared Laser,” by Michael Papantonakis, Vanderbilt University. 10 a.m., Bldg. 132S, room 1781 (uncleared area). Contact: Matthias Frank, 3-5068.

Friday
9

DEFENSE & NUCLEAR TECHNOLOGIES
2002 ANNUAL CERTIFICATION

Speakers for this event will include Jim Tyler, Defense & Nuclear Technologies, Tom Shepard, A Division and Sue Taylor, DTED. 10:30 a.m., Bldg. 132 auditorium (uncleared area). Contact: Linda Stuart, 3-7001.

The deadline for the next Technical Meeting Calendar is noon, Wednesday.

Send your input to tmc-submit@llnl.gov. For information on electronic mail or the newsgroup llnl.meeting, contact the registrar at registrar@llnl.gov.

Engineering's Randy Pico earns scholarship award

By Stephanie Esposito
NEWSLINE STAFF

Randy Pico, a senior supervisor for the Electronic Engineering Department, was honored Friday as the 108th recipient of the LLNL Undergraduate Scholarship program. A ceremony was held highlighting the importance of both the program and Pico to the Laboratory.

"Randy is very deserving of this scholarship," Jan Tulk, AD of the Administration and Human Resource Directorate said as she presented Pico with a certificate. "We will need to find three people to fill his shoes while he goes through the program."

Tulk also expressed how proud she is of the program and the Lab's goal to support and encourage Lab employees in pursuing degrees.

"This is an extremely important program at the Lab," she said, mentioning the significance that is placed on this program at an institutional level.

"We look for the crème de la crème when considering applicants and I think we've hit that mark with Randy," scholarship program manager Don Hoffman said.

In order to pursue a bachelor's degree in Technical Management, Pico will spend most of the next two years attending DeVry University in Fremont, returning during the summer months to conduct internships at the Lab.

"Randy's ability to show his commitment to finishing his degree impressed the scholarship



JULIE KORHUMMEL/NEWSLINE

Randy Pico, left, was awarded a scholarship by Associate Director Jan Tulk at a ceremony last week. Pico will pursue a degree in technical management.

committee," scholarship committee member Ron Hoard said.

While attending school, he will stay in contact with Electronic Engineering's Defense Sciences Engineering Division Superintendent Rodney Moore, who chose to mentor Pico during the scholarship period.

"Randy is dedicated, focused, tenacious and an individual with the highest level of integrity...he is all about helping people," Moore said.

A Lab employee since 1981, Pico is also the former president of the California Professional Chapter of the American Indian Science and Engineering Society (AISES) and is very active in American Indian and minority community outreach, as well as educational programs throughout the Bay Area.

"I am very thankful for this opportunity," Pico said at the end of the ceremony. "You know, I'm full-blooded Lab," he joked, explaining that he has spent most of his life either on Indian reservations or at the Laboratory, both of which are federal property.

"I'm going to miss each and every one of you," he continued. "These are exciting times right now for the Lab, and I will miss that, however I will continue supporting the Lab during my absence."

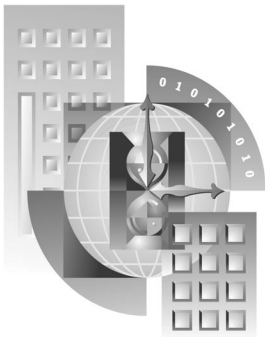
In accepting the scholarship Pico offered thanks to his wife Paulette, who was in attendance, and his children, Elias and Cheyenne, for their continued support through his

"educational journey."

Established in 1966, the scholarship program awards Lab career employees with the funding needed to complete a bachelor's degree within two calendar years. This includes reimbursement of the employee's base salary, relocation expenses and tuition fees. Employees interested in more information on the scholarship program or applicant requirements can contact Don Hoffman, 4-5482, or hoffman7@llnl.gov.

Web shortcuts for Environment, Safety and Health information

The Environment, Safety, and Health (ES&H) Information Management Office now has Web shortcuts for its principal Websites. Like your favorite shortcut from home to work, shortcuts make navigating through cyberspace faster and easier.



A shortcut is simply an abbreviated Web address. It is usually an acronym or a short word related to the Web page to which it links. Simply type in the shortcut in your Web browser's address field and hit the enter key to go directly to the Website (see the example shown in the screenshots).

For instance, to go to the ES&H homepage, simply type esh in the address field, then press the enter key and — voilà! — the Website appears. (This happens because the preprogrammed shortcut esh is automatically expanded to the actual Web address (http://www-r.llnl.gov/es_and_h/esh.html).

Saving time through shortcuts

- Elib** — ES&H Electronic Library
- Esh** — ESH homepage
- Eshmanual** — ES&H Manual
- Fpoc** — Facility Point of Contact (FPOC) search page
- Ism** — Integrated Safety Management (ISM) homepage
- iws, eiws, or e-iws** — Integration Work Sheet (IWS) homepage
- lessonslearned or ll** — Lessons Learned homepage
- ltrain** — LTRAIN homepage
- medical** — Health Services Department
- spcc** — Spill Prevention Control and Countermeasure Plan
- swppp** — Storm Water Pollution Prevention Plan
- wac** — Waste Acceptance Criteria
- wss** — Work Smart Standards (WSS) homepage

For instance, to go to the ES&H homepage, type esh and press the Enter key. ... and the Website appears.

Why use a shortcut? Because it is shorter than the actual Web address and therefore easier to remember and to type. Typing the shortcut can also be quicker than searching through dozens of Web bookmarks (or "favorites," as they are referred to in Internet Explorer). They are also a convenient way to access websites when away from your usual computer.

Some highlights about shortcuts:

- LLNL shortcuts function on any computer connected to the LLNL Open LabNet (LLNL's internal network).
- Shortcuts are not case-sensitive. For example, you can type either ltrain or LTRAIN to go to the Laboratory Training Records and Information Network (LTRAIN) homepage.
- A shortcut can be used to go to its associated Website from any Website, whether an LLNL or nonLLNL website.

In the chart to the left is a list of the shortcuts mentioned in this article, as well as a few other related ones. For shortcuts that other organizations may have, ask that organization's system administrator.

OFFICE

Continued from page 1

informal and impartial assistance in addressing work-related concerns, issues and problems.

In response to that input, the Administration/Human Resources Directorate has established the Employee Relations Office (ERO). "The ERO will act as a resource for employees who have questions and/or need information about personnel policies, formal and informal complaint resolution processes and available human resource services," said

ERO program leader Jack Willis. Facilitation services are also available so individuals, with the help of a neutral facilitator, can informally discuss and analyze the issues involved in a dispute or problem.

The office is located in Bldg. 415. "We selected this location because it is easily accessible and affords a measure of privacy," said Frank Robles, deputy program leader.

The ERO will also provide institutional support to the 13 Laboratory Directorate Ombuds Programs, be a member and resource to the Laboratory Ombuds Council, serve as a

subject matter expert for Ombuds inquiries and concerns, maintain the Ombuds institutional webpage, manage the Ombuds training and provide unfiltered feedback to senior management by reporting issues and trends without disclosing names.

Willis and Robles, who staff the ERO, have over 30 years combined LLNL experience in policy and procedure, the formal complaint process, Ombuds Program, and EEO and diversity.

For more information on the ERO, contact the office at 2-7508.



AUTOMOBILES

1990 - Nissan 300ZX twin-turbo coupe. Top mechanical condition - new tires, clutch, timing belt, front brakes, full 64K inspection. \$11,500. 925-443-1944

1997 - Mazda 626LX. Fully loaded, exc.con-dition, going back to France. 50 K miles.\$7,800 OBO. 925-455-1073

1994 - White G20 Infinite, Beige leather inter-ior. All power locks, windows, etc. CD player. Replaced air conditioning, and new tires. \$6,000 O.B.O. 925-634-7362

1996 - Chrysler LHS, new tires, very clean, low mileage, split bench front seat, great condition throughout. \$9100 OBO 925-443-8837

2001 - Acura TL3.2 Sedan V6, 4 door, fully loaded, 15K miles, navagation system - excellent condition, moving must sell. \$26,500. 925-443-1944

1997 - Jeep Cherokee Sport 4X4, Green, auto, v6, low mileage, excellent condition. \$9,000 OBO 925-373-7003

1993 - Geo Prizm LSI. 146K mostly highway. 35-38 MPG, 5SPD, AC, PS, PB, PVV, PD, ABS, driver air bag. 1 owner, all records. great student car. \$2500. 510-338-0237

2000 - Honda Civic Ex, 2 Door, Auto, PWV, PL, AC, CD, AM/FM, Custom rims and tires, Tinted windows, Silver, Excellent condition, 29k, \$13,900 209-832-2862

1994 - Jeep Grand Cherokee Laredo. 100K miles, V8, excellent condition, inside and out. Most options. Well maintained vehicle. \$8,100. 925-606-8763

1996 - Ford Windstar, LX. P/W, P/L, P/M. Front/Rear AC, alloy wheels, 2 toned paint. Low mileage. Excellent Condition! \$9,200 obo. 925-785-8928 or 925-785-2628

2000 - Silver Toyota Tacoma Prerunner, Xtracab. Automatic, chrome wheels, wide tires, upgraded CD player and speakers. 29K Excellent Condition!! \$18,500 925-606-8077

1995 - GMC Safari Van,Extended,8 Pass,AWD,Great for Skiing! Loaded,SLT trim, new tires, brakes,tuneup,123k miles,high book \$10,600,\$7900/B.O. 209-599-4644

1997 - BMW Z3 Roadster, convertible, 1.9L 4cyl, blue w/tantop 5 spd, a/c, pwr w/s, leather, roll bars, 6 CD changer,gcondition, 50K, \$18,500 OBO 209-824-0132

1995 - Buick Riviera, supercharged V6. Black with tan leather, all the options. Good condi-tion, \$6500 obo 510-535-2134

1991 - Jaguar Sovereign - very pretty car, black on black, lightly tinted windows, power everything, runs great. \$6995 925-454-1608

1989 - Ford Taurus, 4-dr, AC, new tires, brakes, dk blue, good interior, good condi-tion. \$1200/obo. 209-832-2790

1969 - International 345, 4x4 rebuilt eng,new carb,runs great \$1700 obo. 209-814-9900

1988 - Honda Civic LX, Auto, A/C, Cassette, 255K miles, new tires, good condition, origi-nal owner, \$2800 OBO. 510-797-9251

1989 - HONDA Accord Sedan,AT,165K mi,NEW Batt ,Shocks ,Tires ,Muffler ,Wires.No Air Blue book, \$4500, \$3495. OBO!! 209-477-4968

1997 - Dark Green Mitsubishi Eclipse GST. New Engine, Turbo, Clutch (2001). 89k miles. Great Shape. Runs Great! Asking \$13,000. 925-456-5853

1991 - G20 Infiniti, good shape, well taken care of (records of all repairs), never been in an accident, asking \$4,000.00, will negotiate price. 925-449-7751

1997 - Honda Civic EX VTEC, 5 speed 2-door coupe 75k miles. Brand new clutch and rebuilt transmission. \$10,000 obo. 925-216-0636

AUTOMOBILE ACCESSORIES

Starrett Magnetic Base, One inch travel dial indicator,.001 increments)\$40.00ea. 209-835-2416

Stock wheels off 1995 Impala. 17 x 8.5 with 255/50/17 tires. Approx. 10K on tires. \$500. 925-606-0768

4 ea. Hi-Perf Bridgestone Potenza low profile tires. Size 235/45ZR17. Lots of tread remain-ing. Used only 10K miles. \$200.00 Ron 925-240-5915

BICYCLES

Electric bike (E-bike). Black. Excellent condi-

CLASSIFIED ADS

tion; rarely used. New battery. \$650 OBO. 209-823-9873

Ladies 18 speed Magna mountain bike, U-lock, almost new, \$125 obo. 510-797-9251

Litespeed Ultimate size 56cm complete bike, Dura ace, speedplay pedals, carbon fork, Mavic open pro wheels under 3000miles. \$2500.00 209-239-4457

BOATS

Livingston 8ft with Sterling P-500 Jet Trolling Motor (gasoline 2 stroke), good condition, \$500 925-513-3215

72 RioRogue 14ft bass boat w/trailer. 35HP Evinrude, trolling motor, depth finder, live well, 2 gas tanks. \$1,500 OBO. 209-985-2890

ELECTRONIC EQUIPMENT

Two Cingular Nokia 5190 cell phones. Includes earphones and leather case for each phone. Great for backups. \$25 each or \$40 for both. 925-846-3653

10 ft. Sat. Dish with Dual LNBs and Rec. with module works good. Amateur Radio Ant.-Gap Titan DX-80-10 meters. Needs work. P/U Manteca. Best offer 209-823-1859

Electric typewriter –Olympia Report Deluxe- - with carrying case. \$25. 925-454-8827

Mac computer, keyboard, monitor and printer all for \$100.00 OBO. 510-537-7222

Sony 26 inch console color TV, model KV2602. Very nice oak cabinet. \$80. 209-836-4605

Vandersteen 1B Hi Fidelity Stereo Speakers. Floor standing. Excellent Cond. Black w/black oak trim. Stands incl. \$300.00 (\$900.00 new) 510-489-6030

Pioneer Disc Changer for a vehicle. 45 x 4 watts. New condition. \$150.00 OBO. 925-443-6462

GIVEAWAY

Computer desk with hutch and pull out key-board shelf with drawer. 925-556-9819

Free decorative rock. River rock about 1-2 lbs. each. You haul it. Located in Livemore near the lab. 925-371-2625

Free Washer & Dryer. Dry like new. Both run great. Moving - Need to pick up by August 4th. 925-837-8577

HOUSEHOLD

Fisher Price: Little People Farm with extra animals, \$20. Little People Bus, other vehi-cles and people, \$10. Four Rescue Heroes and Dog, \$20. 925-294-9022

Two 24 inch. light oak chair bar stools, excellent condition, Orig. \$90, Sell \$35 each 925-998-2620

MAKE AN OFFER! Pine bedroom set, California king, one nightstand, dresser with hutch and mirror, excellent condition. 925-449-8124

Oak desk with hutch. \$399 at Costco, asking \$200. Oak bookcase. \$199 at Costco, asking \$100. Oak lateral filing cabinet. \$219 at Costco, asking \$110. 925-556-9819

Moving Sale: furniture, patio fum, toys,& tons of craft supplies & more!! Everything must go!Sat, Aug 3rd, 8am-2pm,3655 Carrigan Common,Livemore 925-292-5181

Boys clothes, 3 xerox boxes, 18-24 months. shirts, pants, pajamas, jackets, shoes (\$50 firm) 925-373-6580

White Day Bed Complete \$200 OBO,Metal Futon Frame Black \$30.00obo, King Size Pedastal Bed with Drawers \$60.00 925-447-9196

Two Tyco toddler car beds w/crib size mat-tress @ \$50.00 each. 925-449-4887

Oblong oak table (42 x 60 inches) with removable 18 inch leave and four chairs. Honey color with center stand. \$150 OBO 925-371-4479

Baby Crib - light maple with rounded head/footboard, includes Simons mattress - excellent condition \$175. 925-833-2560

Little Tykes Toddler (car) Bed. Yellow, looks like a VW bug. Really cute. 809-858-2628

7ft Black leather couch \$500.00. Like new, used for 1 year. Very comfortable. Also oak/glass coffee table for \$25.00. Contact Don. 925-803-1443

Washer & Dryer. Dryer like new. Both work great. Moving - must be picked up by August 4th. \$175 925-837-8577

Entertainment Cabinet. Oak for 32 in. TV,

Glass doors protect stereo. New, never used. \$175, 60 in W by 48 in H 925-449-4963

Excellent Condition! Dark Beige Couch/Loveseat. Only 3 months old. \$1200 White daybed w/ mattress. \$100 925-606-8077

Futon, cheap. Queen size, solid oak, premi-um mattress with springs. In excellent condi-tion. Paid \$750. Yours for \$250 or best offer 925-513-6633

Lazyboy power lift recliner, blue, cost \$950 new, perfect condition, extremely comfort-able \$450. 925-736-1463

Sun Ray gas stove. white. Works great. \$25 209-985-2890

LOST & FOUND

Found Badge lanyard by B-251. From special event of 2002. Call B-251 @ 29130 to identifi-fy. 925-625-3663

MISCELLANEOUS

Fisher Price Magic Castle and Coach \$25. Toy organizer with colored bins, \$40. Chalkboard-Dry erase easel, \$20. 925-294-9022

Garage Sale. Saturday from 8am to 12pm. Large variety of stuff. 505 Alameda Drive, Livemore. 925-373-2874

13inch Emerson color tv. Works fine, bought a larger one. \$40 925-447-7088

Refrigerator, GE Profile, 24.7 cu.ft., no frost freezer with ice maker, white, excellent con-dition. \$200 obo. 925-449-8124

GYMBOREE girls clothes in sizes from new-born through 9 months: 12 pcs. for \$30. Other baby items and maternity clothes available. Call for info. 925-454-8827

Three piece entertainment center. Designed for comer placement. Solid oak, handmade, dove tail joints. \$400 for material costs alone, asking \$200. 925-556-9819

Complete crib bedding, light blue/yellow w/bears, bumper pads, sheets, curtains, music toy, star/moon nightlight, safety sup-plies, \$25 925-373-6580

MANTECA WATERSLIDES, Adult (over 42 inches). Accompanied children free on Kiddie Slide. Reg \$23.50 have 4 tickets at \$13.50 (OBO) each. 209-239-1338

49er Tickets vs Kansas City, Sat. Aug.10, 2 or 4 seats. Face Value. 209-918-1437

Table, glass top/brass legs, approx. 36 x 60, \$50. 510-713-9873

Quality traditional sofa and platform rocker. Oak trim. Blue w/petite floral vine. \$400/175 ea or deal for both. 209-848-8965

Time-Life Library of Art books 27 volumes(complete set) \$30.00 209-835-2416

White whicker table and two chairs - \$35 925-443-4413

Chipper/shredder, Craftsman 5hp, excellent condition - used less than 20 hours \$240. 209-575-4190

Two basketball tickets USA men vs Team China, August 22, Oakland Arena, 7PM Sec. 7 Row A1 seat 6 and 7 \$181 OBO 925-447-0411

2001 Go Ped, Jetped pipe, HP carb,K&N, .675 spindle, billet rims, gas tank cover,30+mph, \$900. Invested \$500.obo (209)321-3143 209-321-3143

Aerobic rider thing that everyone bought and used once. Willing to let it go for nothing but wife will not let me. 20 bucks and it's yours. 925-513-6633

Stroller - sturdy, reclines flat, pastel blue/greens, great condition. \$40/obo 925-371-4447

Dresser, Large 9 drawer, About 6ft. long. \$10 209-606-6445

MOTORCYCLES

1990 - Harley-Davidson Custom Deluxe Sportster, low mileage, lots of extras. Serious buyers only, \$7,500 firm. 209-239-4450

1995 - Honda XR650L, All stock, Protapers, Low miles, Great condition \$3000.00 925-516-3680

1995 - HD Sportster 883, 10K miles. Many options. Runs and looks as new. \$5,500 925-606-8763

Shoei helmets (medium - hardly used \$100; large - \$50; dust cover - \$20; outdoor cover \$40; Nylon saddle bags \$125; everything for \$250 925-784-7950

1992 - Honda ST1100, Red, many extras, 43k miles. Runs and looks great, \$5500 OBO 925-449-0140

Motorcross gear for young child. Used twice. Blue/black. Helmet, gloves, pants, jersey, chest protector, boots, goggles. \$300/OBO 925-371-4447

1986 - 1986 Honda XL250 dirt bike. Runs good. \$625 O.B.O. (925)784-2866 Leave message. 925-784-2866

MUSIC INSTRUMENTS

Hammond B2 organ, bench, speaker \$2000, OBO; Roland HP-450 MIDI Electric Piano Built-in Speakers 88 key \$500. 209-892-6773

Cute pet rat needs a new home. Comes with cage and food. Very smart and friendly. 925-417-8813

Doggie door glass insert for sliding glass door (paid \$150) for small/medium dog. \$75. 925-648-0671

RECREATION EQUIPMENT

BABY JOGGER II jogging stroller in excellent condition. \$99. 925-454-8827

Recumbent exercycle, barely used, moving must sell, \$50. Aeropool 6.5 ft square,w/cover&pump, \$50.Leave message. 925-292-5181

Hard plastic golf club travel case with wheels for ultimate security and protection. Never Used. Great Deal for \$40.00 or best offer. 650-348-8872

Hot Tub - hexagon, wood panels, lite blue interior, seats 4-5, older - but still works great! \$300/OBO - You haul 925-371-4447

RIDESHARING

Express your commute, call 2-RIDE for more information or http://www-r.lnln.gov/tstp

PATTERSON - Vanpool has seats available. Work hours 7:30-4:00. Ride with us and take advantage of the Pretax Transportation Program. 209-892-2118, ext. 2-9502

Manteca - Drive 1 day/wvk + 1 Friday/mo. Relax the rest of the time! Save money & stress. GREAT carpool! Ask for Carolyn 209-823-8309, ext. 3-1050

Layfayette - LaMoRinda (also Walnut Creek stop at Rudgear Rd) luxury Vanpool (reclin-ing seats, reading lights) 8-4:45, \$100/mo (pretax reduction available) David 925-943-6701, ext. 2-3005

Orinda - Carpool from Lamorinda (Highway 24 and St. Stephens) needs 4th rider/driver. Lab hours 8:10am to 5 pm. 925-253-0498, ext. 2-9823

Manteca - Rider/Driver for four person car-pool. 8-4:30 209-823-5085, ext. 2-0643

SERVICES

Interior painting - Excellent workmanship. 20 years experience. Excellent references available. 510-537-7222

Green Achers Farm of Ripon has freestone peaches ready. Honor system U-Pick. Bring the family to a day on the farm. 209-499-6607

Livemore - 1 mile from LLNL. Private bed-room,living room, bath. Full privileges. No pets/smoking. \$775.00 month+1/2 utilities+deposit. 925-373-1166

Modesto - Room for rent \$300.00/mo.utili-ties included. You use your own phone. Separate bath. Full privileges. 209-484-5816

Livemore - Two rooms available, only 10 minutes from the lab. No pets/smoking. \$500 month + 1/3 utilities. Available now!! 925-606-8077

Livemore - Room for rent in 3 bdrm home. 5 minutes from LLNL. \$650.00 + utilities. 925-371-0911

TO TRADE

Have 50 ltr. cooler used for 1 month. Too large willing to trade for slim fit cooler or smaller. Willing to sell for \$15. Blue 925-371-5615

TRUCKS & TRAILERS

Camper Shell, for minitruck with 6 foot bed,

white fiberglass, very good condition, \$150 offer 925-443-5549

1994 - Ford Bronco XLT, Excellent condition, all power, flowmaster exhaust, tow package, new AT tires, new transmission w/cooler. A Must See! 209-836-1665

1995 - Chevrolet K2500 ext cab 3/4 ton 4x4 AT,OD,PW,PD,SRW,Tilt,CC, Long bed, 454cid, campershell, exc cond. 69,000 miles 16,500 OBO 925-443-5282

1991 - Mallard Sprinter 27ft tandem axle pull trailer sleeps 6 excellent condition 8000 OBO 925-443-5282

2000 - Dodge Dakota Club Cab SLT 4X4,4.7L V8,AT, Fully loaded, Tow, KBB=\$20,500 Sell=18,500 209-814-2277

1995 - 26ft. Skyline Layton 5th wheel trailer-loaded; ac/heat/electric jack;full shower/bath; very clean;sleeps 6; \$8K OBO 209-763-2888

1998 - GMC SLS Sonoma Short Bed, 39K miles, AC, CD, Bed Liner, Alloy Wheels \$8500 obo. 209-823-1022

1995 - RV Thor Residency 36 feet, Turbo diesel, 5.9 cummins. Millage 17,000. Excel. Condition. Lots more. \$55,000. 925-449-0430

1992 - Customized ChevZ71 HOODscoop Flared big tires loaded excab too much cus-tom to list 9.5k Red 925-828-3295

1996 - LHS New yorker Sedan, 57,000 miles, with new tires. Reduced price \$6900. 925-447-2282

1999 - Green Ford Ranger XLT, V6, 5 speed, air conditioning, cd player, all power, new tires, security system, tinted glass, 56k miles. \$13,000 209-612-7079

VACATION RENTALS

MAUI South Kihei oceanfront spacious 2- bedroom condo: oceanview, beautiful white sandy beach, pools, tennis, BBQ. Low LLNL rates. 925-846-1459

Vegas vacation for 2. Round trip air and 2 night hotel. Departs any Tuesday. Good for 1 yr from time of purchase. \$350 925-899-8438

SOUTH LAKE TAHOE - 3 Bedroom 2 bath Chalet, newly remodeled,nicely furnished, all amenities,Park w/Lake,playground, etc. Great for Families! Hurry for Summer! 209-599-4644

SEA RANCH - Oceanview home. No smok-ing. No pets. Adults only. 2BR(KQ)/2BA 1700sqft. Hike. Bike. Whale watch. Kayak. Swim. Tide pool. 925-443-5086

Maui - Embassy Suites, Kaanapali Beach; 1-wk; 1-bdrm condo w/ ktchn; up to 4 people; scenic view. Must use by 12/31/02. 209-832-2790

Maui, HI - Kahana Reef oceanfront 1BR/1BA condominium. Beautiful two-island view, oceanside pool, and BBQs. Low LLNL rates for year-round reservations. 925-449-0671

Maui, Lahaina - 1 Bdrm DLX, Ocean View, 820 sq ft. at Embassy Vac Resort. Only \$100.00 per day. Great Price! Christmas is still open. 925-449-7751

WANTED

Wanted: daytime doggie playmate for our Aussie to come to our house during work-day; prefer mature dog 925-443-1714

Wanted - Oak end tables in excellent condi-tion. 925-449-8035

Looking for a (82+ 3000CF) Scuba Tank. Please leave a voice mail on my cell phone; 209-602-9239

Long-Board Surfboard (prefer 9 ft 6 in length) 925-371-6029

WANTED: Female soccer players for adult coed team in Tracy. Games played on Sundays. Starts Sept. 8. 209-612-8607

WANTED: General Mills Box Tops for Education. Collecting for school library. Collecting year round-ongoing fund raiser. 209-576-7560

Fishing Rod & Spinning Reel for ocean shore / rock fishing. Rod: 8-10 feet. Spinning reel: Capacity 150-250 yds 30-40lb. test. (No level wind reels) 925-606-0234

Wanted: Looking for reasonably priced NordicTrack or Proform Threadmill. Decent condition. 209-832-3297

Wanted: Old trials bike, TL125 Honda pre-ferred, any condition, running or not. 209-824-2177

WANTED- Small used boat trailer for my 12ft aluminum fishing boat. (925)784-2866 Leave message. 925-784-2866

Tupperware wanted and would like Sundays

NEWS OF NOTE



Grassroots effort helps NIF project set safety record

Last December, the National Ignition Facility construction site set an earlier safety record: one year and more than 1-million hours without a single lost-workday injury. Now, seven months later, the number of hours without a single lost workday injury has passed the 2-million mark. Statistics like these don't just happen. According to NIF safety experts, "Neither bold wishes nor blind luck can make them materialize."

About two years ago, NIF managers were witnessing double-digit injury rates. Through intense teamwork and commitment they turned the situation around creating a top-to-bottom safety culture change and reducing the injury rate more than a factor of six.

Last December, NIF Site Safety Council Chairman Arnie Clobes told Newsline, "There are a lot of good ideas on improving safety, and on the NIF site we strive to make the best ideas part of our everyday work." One of those ideas developed into a grass-roots workplace safety-awareness tool that helps everyone on the job-site keep the clock ticking on the number of hours without a lost workday.

This tool became known as the NIF Safety Scheduler. The concept was the brainchild of George Stalnaker, a NIF safety consultant from DuPont, who came up with the idea and employed it successfully at Savannah River.

2 million hours without lost-time injury

By David Schwoegler
NEWSLINE STAFF WRITER

Team NIF set a safety record on July 19 when it surpassed 2 million work hours and 582 consecutive days without a single lost-time injury on the NIF site. The record was established over the past 19 months, during a period of intense construction and commissioning activities.

Conventional facilities were completed, the entire beam-path in Laser Bay 2, which houses half the laser beam, was

installed, the laser front-end Preamplifier Support system was turned over for commissioning and many of the utilities were installed and commissioned. Installation of the beam-path infrastructure in the Switchyard and Target Bay continues.

"NIF is well under way to meeting the NEL first-light milestone. With continued vigilance and a strong commitment to safety, we can continue to build and commission NIF safely," said NIF Project Manager Ed Moses.

The scheduler takes the form, a 32-page, wall-hung, saddle-stitched document. The first few pages, through text and color job-site photographs, explain safety policy, safety goals, and stress that "safety is everyone's responsibility." From there the document morphs into a 12-month scheduler. Each month focuses on a different relevant safety theme, such as Lockout/Tagout, or Rigging and Electrical Safety. In a timely arrangement, "Beat the Heat," appears in June at the onset of summer.

The scheduler is attractively designed, blatantly simple, ubiquitously displayed and con-

stantly a safety reminder to job-site occupants. Its 14-by-21-inch size makes it easy to recognize from afar, while providing plenty of room for writing events in any of the date boxes. The scheduler provides a specific timely reminder about the importance of safety on the NIF project wherever it is displayed — whether on the job-site, in the office, construction trailers, in the hallways or in shop areas.

The various monthly messages displayed on the NIF scheduler were developed through a grass-roots buy-in from those it seeks to inform and remind, including Lab rigging, Plant Engineering, Hazards Control Team 2, Jacobs Engineering, NIF Construction Safety Team, and Lab Labor-Only GSE. In short, the developers included labor and management, crafts and trades, scientists and engineers.

NIF Project Manager Ed Moses provided funding, support, encouragement, and a policy statement that made the scheduler a reality. According to Moses, "Safety is the most important goal and activity of the NIF Project. The scheduler helps us to extend the current safety record, but more importantly, it helps us assure that the NIF team goes home every day to be with family and friends, free from serious injury."

For more information about the Safety Scheduler, contact Arnie Clobes, 3-2513.

INTERNAL TRANSFER OPPORTUNITIES

Tag	Number	Classification	Title	Organization
CH	4257	105.1	Associate administrator	Chemistry & Materials Scienced
TB	4245	105.2	Administrator	Technical Information & Business Services
TB	4238	136.1/2	Administrator	Technical Information & Business Services
TB	4194	197	Division leader	Technical Information & Business Services
TB	4195	197	Manager	Technical Information & Business Services
TB	4196	197	Division leader	Technical Information & Business Services
BS	4149	225	Biomedical scientist	Biology & Biotechnology Research
BS	4306	225	Group leader	Biology & Biotechnology Research
AI	4141	285	AIS client liaison	AIS/CFO
CO	4253	285	Computer scientist	Integrated Computing & Communications
CO	4273	285	Computer scientist	Computation
CO	4275	285	Computational scientist	Computation
CO	4295	285	Computer scientist	Computation
CH	4199	304.2	Sr. scientific associate	Chemistry & Materials Sciences
AI	4248	323.2	Sr. computer associate	AIS
AI	4246	325.1	Support associate	AIS
EE	4251	391.1	Group leader	Electronics Engineering
EE	4310	391.2	Superintendent	Electronics Engineering
CO	4254	393.2	Associate	Integrated Computing & Communications
CO	4349	405.3	Admin. specialist III	Integrated Computing & Communications
HR	4021	405.4	Admin. secretary	Staffing & Employee Development
ME	4303	405.4	Admin. specialist IV	Mechanical Engineering
NA	4189	405.4	Admin. specialist IV	NAI
NA	4261	405.4	Office manager	NAI
NA	4266	405.4	Admin. specialist IV	NAI
PM	4293	405.4	Admin. specialist IV	Procurement & Material
SS	4301	405.4	Admin. specialist IV	Safeguards & Security
BS	4296	502.1	Scientific technician	Biology & Biotechnology Research
EZ	4284	502.1	Scientific technologist	Energy & Environment
ME	3968	533.2/3	Mechanical technologist	Mechanical Engineering
ME	4079	781.0/1	Machinist apprentice	Mechanical Engineering

WFO

Continued from page 1

employees and strengthening core competencies. The WFO streamlining effort is in response to the NNSA recommendations that DOE laboratories and production sites eliminate a layer of management and “red tape” by reducing the administrative workload burden by 50 percent on the scientific, production, and technical staff by January 2003.

Under the streamlined process, the time a proposal is submitted to the time the sponsor receives the proposal for federal and non-federal WFO has been cut from 37 days to 16. The cuts have the potential to save \$183,000 annually based on 180 federal and non-federal proposals per year and the administrative workload is reduced by 56 percent. Four signatures and four separate forms have been eliminated from the proposal review and the sponsor receives the proposal concurrently with DOE-Oakland.

“We’re also encouraging the directorates to review their internal signature policies so that all directorates have a consistent number and level of signatures for the WFO process,” said Jeffrey Fernandez, deputy CFO and co-chair of the WFO streamlining group.

For other DOE proposals, the time it takes to process the proposal to project start has been cut even further from 21 days to two. This streamlining has the potential to save the Lab \$272,000 annually based on

Under a streamlined Work for Others processl, approval time would be cut from 37 days down to 16. An electronic process may cut that to six days.

102 proposals per year and the administrative workload is reduced by 36 percent. An Approval of Work Proposal package is no longer necessary for work sponsored by other DOE contractors or sites.

“This streamlining effort improves the customer’s ease of doing business with the Laboratory and cuts down on the frustration level experienced by many scientists waiting to start a project,” said Lee Younker, associate deputy director of Science & Technology and co-chair of the WFO streamlining group.

The group is also considering instituting a Web-based proposal system, called e-WFO, that would trim the process down to six days from the time of submission to the time the sponsor receives it. The streamlining group will receive a demonstration of the Web-based system next week

(Aug. 6). Under the Web-based system, WFO proposals would be processed and administered on the Web. Electronic signature authorization would be instituted and incorporating business rules would likely reduce the error rate. Detailed metrics on all phases of the approval process would be accessible and the database of proposal information would be consolidated. A detailed report and schedule for implementing the e-WFO module will be reviewed in the fall.

WFO plays a large role in the work the Laboratory performs. For fiscal year 2002, the cost for WFO is \$269 million with WFO volume comprising 18 percent of the Lab’s operating plan. At any given time, the Lab is working on more than 1,100 WFO

projects. Examples of WFO projects include the National Atmospheric Advisory Center, Homeland Operations Planning System, biological defense capabilities for homeland security, the Joint Genome Institute and the Center for Accelerator Mass Spectrometry.

The WFO streamlining group also made recommendations for additional improvements to the WFO process, which includes internal streamlining actions as well as those to be presented to the NNSA for consideration. Additional actions include streamlining funding acceptance processes, developing master agreements with non-federal sponsors, implementing exemptions for routine services and defining flexibility for 90-day advance payment requirements for non-federal sponsors.

HP-CAT

Continued from page 1

under high pressure and varying temperatures. The facility is scheduled to be completed by May 2003.

“At Livermore, we’ve invested in this beamline because it is an enabling capability for our Stockpile Stewardship Program,” said Bill Goldstein, associate director for the Physics and Advanced Technologies Directorate. “The highly intense, high-energy X-ray beam will allow us to characterize the structure of high explosives, and low-symmetry phases of plutonium, with unprecedented precision.”

The new research facility will advance high-pressure science by allowing new types of experiments to be performed including measuring the dynamics of electrons, atoms and nuclei and detailed studies of complex materials as functions of pressure, temperature and time. In addition, the new facility will allow a

new-generation of high-pressure devices such as large-volume diamond-anvil cells to be used. The ultimate goal is to advance high-pressure synchrotron radiation research and set up a world-leading high-pressure research center accessible to the scientific community at-large.

High-pressure material research is critical to the Laboratory’s Stockpile Stewardship Program, the Inertial Confinement Fusion Program and the study of new materials and energy sources. Understanding matter at high pressure is a major area of research in the Accelerated Strategic Computing Initiative (ASCI) and for the National Ignition Facility.

HP-CAT will help the Laboratory achieve its missions by ensuring excellence in science and technology, providing accurate stockpile materials data and recruiting and retaining science and technology leaders.

The collaboration will allow Livermore scientists

to conduct shock and static experiments that provide complementary material data to develop and validate new theory and large-scale integrated weapon’s experiments.

“A fast time-resolved X-ray diffraction such as the one at Advanced Photon Source is a critical enabling technology for NIF, gas-guns JASPER and the Z-machine,” said Choong-Shik Yoo, LLNL’s high pressure group leader.

Yoo has championed the use of third-generation light sources at Livermore and has been the driving force for Livermore’s participation in HP-CAT, Goldstein said.

With the improvements in X-ray intensity and X-ray transparent ultra-high pressure cell components, the HP-CAT facility opens a window on a previously forbidden energy range and will advance high-pressure synchrotron radiation research far beyond what has been accomplished to date.

TOWER

Continued from page 1

also found out that the listing made them eligible for a matching-fund grant. For every dollar the city contributes to restoring them, the state will contribute an equal amount.

Earlier this year, the city received a status report on the towers that stated the cost to preserve them would be about double the amount of tearing them down. That’s when Metz sprung into action alerting the public about the towers’ historical significance.

“We decided to make a public issue of it,” he said. “We put together a Web site and started a publicity campaign. These towers are part of what defines our town.”

His group also discovered that provisions in California law allowed the towers to be exempt from modern building standards, reducing the estimated cost of preservation by nearly \$100,000.

The public and Tracy City Council responded, he said. City officials are now in the process of applying for the state matching-fund grant to preserve the towers.

Though Metz moved to Tracy in 1986, he has always been attracted to Tracy’s small town ideal.

“I do this because I so much enjoy the small town feel of Tracy,” he said. “We need to make these things public issues before it’s too late to save them.”

Metz’ quest doesn’t end with the water towers. He is now heading the Tracy Heritage Committee, an offshoot of the West Side Pioneers — a local historic preservation group.

His next goal: to save the oldest Tracy High School building, which was built in 1917 and designed by renowned architect W.H. Weeks, from demolition. Metz is at a good starting point because the structure, like the water towers, is already listed on the state’s inventory of historic resources,

“There is significance to the community to save the building,” he said. “Tens of thousands of Tracyites have gone through that school. We need to preserve our history and culture.”

Metz’ penchant for the past includes a restored 1968 Mustang Fastback and a post-war bungalow home. He lives by goals of the Tracy Heritage Committee from increasing public awareness of Tracy’s historic structures to promoting restoration and preservation of Tracy’s landmark structures and sites to recognizing those who preserve and promote Tracy’s history.

To learn more about the Tracy water towers, log on to <http://www.tracywatertowers.org>.



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